UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	321904.1011
First Inventor	Patterson, et al.
Title	SYSTEM AND METHOD FOR CONTROLLING TEMPERATURE OF A LIQUID RESIDING WITHIN A TANK
Express Mail Label No.	EL994689538US

APPLICATION ELEMENTS See MPEP Chapter 600 concerning utility patent application contents				A	DDR	ESS	Com	Stop Patent Appropriate Stop Patent Appropriate Pat					
							Alex	andria, VA 2231					
1.	\boxtimes			e.g., PTO/SB/17) uplicate for fee prod				7.		CD-ROM or CD-R in Program (Appendix	in duplicate, ia:	rge table or Compu	
2.			cant claims small entity status. See CFR 1.27				_	8.		notide and/or Amino Acid Sequence Submission policable, all necessary)			s. PT 032
3.	\boxtimes	Specific (preferr	ration [Total Pages arrangement set forth below]				J		a.	Compu	iter Readable (Copy (CRF) .	U.\$
		Descriptive title of the invention Cross Reference to Related Applications Statement Regarding Fed. Sponsored R&D Reference to sequence listing, a table, or a computer program listing appendix Background of the Invention Brief Summary of the Invention Brief Description of the Drawings (if filed)					•		b. c.	ii.	CD-ROM or C Paper	n: D-R (2 copies); or dentity of above co	13441 10/7
			Detailed Descrip Claim(s)	tion			- [ACC				
			Abstract of the D	isclosure			ACCOMPANYING APPLICATION PARTS						
4.	\boxtimes	Drawin	g(s) (35 USC 11:	3)	(Total Sheets	35	ا ر ا	9. 10.		Assignment Papers 37 CFR 3.73(b) Sta (when there is an a	atement	Power of	
5.	Oath or	· Declara	eclaration [Total Pages 2			2	,	11.		English Translation		Attorney applicable)	
	a.		Newly Executed (original or copy)				'	12.	\boxtimes	Information Disclos Statement (IDS)/P1	ure	Copies of Citations	FIDS
	b.		Copy from a prior application (37 CFR \$1.63(d)) (for continuation/divisional with Box 18 completed)					13.		Preliminary Amend		Citations	
			(ror community	divisional with Bi	ox 16 completed	<i>)</i>		14.	\boxtimes	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)			
	i. DELETION OF INVENTOR(S)						15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)				
	Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).					16.		Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.					
6. Application Data Sheet. See 37 CFR 1.76						17.		Other:		SSIOS OF NO OQUIVA	on.		
18.	If a CO	NTINUI	NG APPLICA	TION, check ap	opropriate bo	k, and sup	ply	the red	quisite	information below	and in a pre	eliminary amendi	ment,
or in an Application Data Sheet under 37 CFR 1.76: ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 10/298,135.													
_	_ Prior	apolica	tion informatio	n: Examine	r Cabrera. Zo	ila E.		Gr	oup / A	Art Unit: 2125			
For CONTINUATION OR DIVISIONAL APPS only: the entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.													
18. CORRESPONDENCE ADDRESS													
Customer Number: 24504						OR _	Corresponde	ence address belov	w:				
NAN	NAME Jon E. Holland												
ADD	Thomas, Kayden, Horstemeyer & Risley, L.L.P. ADDRESS 100 Galleria Parkway												
Suite 1750 CITY Atlanta STATE Georgia									ZIP CODE	30339-5948			
COUNTRY U.S.A. TELEPHONE 256-704					000	•		FAX	256-704-3905	,			
Nan	ne (Prin	t/Type)		Jon E. Ho	olland				Regi	stration No. (Attor	mey/Agent)	41,077	
Signature				-40)maC					Date	2/4/04		

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1.22 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer. Patent and Trademark Office. P.O. Box 1450, Alexandria, VA 22313-1450 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Attorney Docket No.

321904.1011

FEE TRANSMITTAL Complete If Known Application Number for FY 2004 Effective 10/01/2003. Patent fees are subject to annual revisions. Filing Date **February 4, 2004** First Named Inventor Patterson, et al. **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 Group / Art Unit

(s) 457.00

OTAL AMOUNT OF PAYMENT

O METHOD O		FEES CALCULATION (continued)						
☐ Check ☐ Credit		3. A	3. ADDITIONAL FEES					
		Large Entity Small Entity Fee Fee Fee Description						
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1001 770 2001	385 Utility Filing Fee 385.00	1402	330	2402	165	Filing a brief in sup	port of an	1
1002 340 2002	170 Design Filing Fee	1403	290	2403	145	appeal Request for oral he	earing	-
1002 540 2002	265 Plant Filing Fee	1451	1,510	1451	1,510	Petition to institute	i	-
		1452	110	2452	55	use proceeding Petition to revive-		-
1004 770 2004	385 Reissue Filing Fee	1432	110	2432	55	unavoidable		
1005 160 2005	80 Provisional Filing Fee	1453	1,330	2453	655	Petition to revive- unintentional		7
	1501	1,330	2501	665	Utility issue fee (or	reissue)	1	
SUBTOTAL (1) (\$)385.00 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			480	2502	240	Design issue fee		-
	Extra Fee Fee	1503	640	2503	320	Plant issue fee		1
	Claims From Paid	1460	130	1460	130	Petitions to the		1
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Code (\$) Code 1202 18 2202	(\$) 9 Claims in excess of 20	1810	770	2810	385	For each add, inve- examined (37 CFR		
1201 86 2201	43 Independent claims in excess of 3	1801	770	2801	385	Request for Contin	ued	1
1203 290 2203	145 Multiple dependent claim, if not paid	1802	900	1802	900	Examination (RCE) Request for expedi		4
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SUBMITTED BY Complete (if applicable)								
Typed or Printed Name	Registration No. 41,077 Telephone Number 256-704-39			256-704-3900				
Signature	·				Dat		N 4	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:

Patterson, et al.

For:

System and Method for Controlling Temperature of a Liquid Residing Within a

Tank

CERTIFICATE OF EXPRESS MAIL

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard
Utility Patent Application Transmittal Page
Fee Transmittal Page
Utility Patent Application Consisting Of:
98 Pages of Specification

6 Pages of Claims (Claims 1-28)

1 Page of Abstract

35 Pages of Formal Drawings (Fig(s). 1-38)

Copy of Declaration

Information Disclosure Statement (w.PTO-1449)

Credit Card Authorization Form

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

Jon E. Holland, Reg. No. 41,077

THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.

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Suite 1750

Atlanta, Georgia 30339-5948

Our Docket No: 321904.1011

I hereby certify that all correspondence listed above are being deposited for delivery to the above addressee, with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # **EL994689538US**.

Date: 2-4-04

Dhana K. East

Shana L. East